

Product Data Sheet



PPG High Performance Coatings

Keeler & Long/PPG
856 Echo Lake Road
Watertown, CT 06795
1-800-238-8596

Epoxy Curing Compound KL4129/KL4129B Clear

Product Information

Product Codes: KL4129 Clear Part A
KL4129B Curing Agent Part B

Product: Polyamide Epoxy

Suggested Use: A two component, polyamide epoxy sealer/curing compound formulated to prime uncoated concrete surfaces subject to radiation, decontamination, and loss-of-coolant accidents in Coating Service Level I Areas of nuclear power plants.

Product Description

Color: Clear Amber

Gloss 60°: 85 minimum

VOC: 5.5 lbs./gal. (659 g/L) mixed

Method: Calculated

Weight/Gallon: 8.0 ± 0.5 lbs./gal. (mixed)

In Service Heat Limitations: 250°F (121.1°C) maximum, dry heat *

Flash Point: 78°F (25.6°C)

Package: KL4129 Part A is available in short filled quart, one and five gallon containers. KL4129B Part B is available in short filled half pint and quart containers and full filled one gallon containers.

Percent Solids by Volume: 26.3 ± 3.0% (mixed)

Percent Solids by Weight: 30.4 ± 3.0% (mixed)

Drying Schedule

Air Dry @ 77°F (25°C) ASTM D5895

Dry to Touch: 2 hours

Dry to Handle: 8 hours

Dry to Recoat: 24 hours

Drying times listed may vary depending on temperature, humidity and air movement.

Application Data**Substrate:** Concrete**Application Data (continued)**

Substrate Preparation: The service life of the coating is directly related to the surface preparation. The surface to be coated must be properly prepared, dry, clean and free of contamination. Surface profile of 80 grit sandpaper is required.

Compatible Topcoats: Epoxy Primers, Epoxy Self-Priming Surfacing Enamel, Epoxy Surfacing

Application Method: Apply by spray, brush or roller.

Air Spray: DeVilbiss MBC gun, 704 or 777 air cap with "E" tip and needle or equivalent equipment. Atomization Pressure: 30-60 psi.

Airless Spray: Equipment capable of maintaining a minimum of 2000 psi at the tip without surge. 0.009" (0.229 mm) to 0.015" (0.381 mm) orifice.

Brush: Use a high quality natural bristle brush.

Roller: Use a high quality polyester/nylon roller cover with a solvent resistant core.

Refer to Application Guide APG-2 for additional information.

Parts Base by Volume: 4 parts KL4129 Part A

Parts Catalyst by Volume: 1 part KL4129B Part B

Thinner Code & Percent: Thinning is not recommended.

Digestion Time: 45 minutes @ 77°F (25°C)

Pot Life: 8 hours @ 77°F (25°C)

Coverage Sq. Ft./Gal. @ 1 mil: 422 sq. ft./gal.

Mixing Instructions: Mix both components prior to blending. Add KL4129B Part B to KL4129 Part A and mix well. Allow to digest 45 minutes before use.

The statement and methods presented in this bulletin are based upon the best available data and practices known to PPG/Keeler & Long at the present time. They are not representations or warranties of performance, results or comprehensiveness of such data. Since PPG/Keeler & Long is constantly improving its coatings and paint formulas, future technical data may vary somewhat from what was available when this bulletin was printed. Contact your PPG/Keeler & Long Sales Representative for the most up-to-date information.

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Application Data (continued)*Wet Film Per**Coat:* 1.9 to 5.7 mils*Dry Film Per**Coat:* 0.5 to 1.5 mils*Clean Up Solvent:* KL4093**Additional Information**

Apply only when air, product and surface temperatures are at least 55°F (12.8°C) and surface temperature is at least 5°F (3°C) above the dew point.

Store materials at temperatures between 55°F (12.8°C) and 95°F (35°C).

Permissible substrate temperature during application is 55°F (12.8°C) to 120°F (48.9°C).

*KL4129/KL4129B Coating System was evaluated and passed the 7-Day 340°F Design Basis Accident Test per ANSI N101.2 and ASTM D3911.

Read all label and Material Safety Data Sheet (MSDS) information prior to use. MSDS are available by calling 1-800-238-8596.

Not intended for residential use.

Spray equipment must be handled with due care and in accordance with manufacturer's recommendation.

High-pressure injection of coatings into the skin by airless equipment may cause serious injury, requiring immediate medical attention at a hospital.

WARNING! If you scrape, sand, or remove old paint, you may release lead dust or fumes. LEAD IS TOXIC. EXPOSURE TO LEAD DUST OR FUMES CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a properly fitted NIOSH-approved respirator and prevent skin contact to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the USEPA National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead. In Canada contact a regional Health Canada office. Follow these instructions to control exposure to other hazardous substances that may be released during surface preparation.

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